353149080524801 Local number IR-137, DENR Langtree Research Station GP-5

Piedmont and Blue Ridge crystalline-rock aquifers
Quaternary Saprolite

Iredell County, NC

LOCATION.--Lat 35°31′50″, long 80°52′48″ referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 32 ft, diameter 0.5 in., cased to 23 ft, open hole from 23 to 32 ft.

DATUM.--Land-surface datum is 786.81 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Measured periodically with steel and electric tape. (by DENR and USGS)

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.47 ft below land-surface datum, June 23, 2003; lowest water level measured, 31.23 ft below land-surface datum, Jan. 17, 2002.

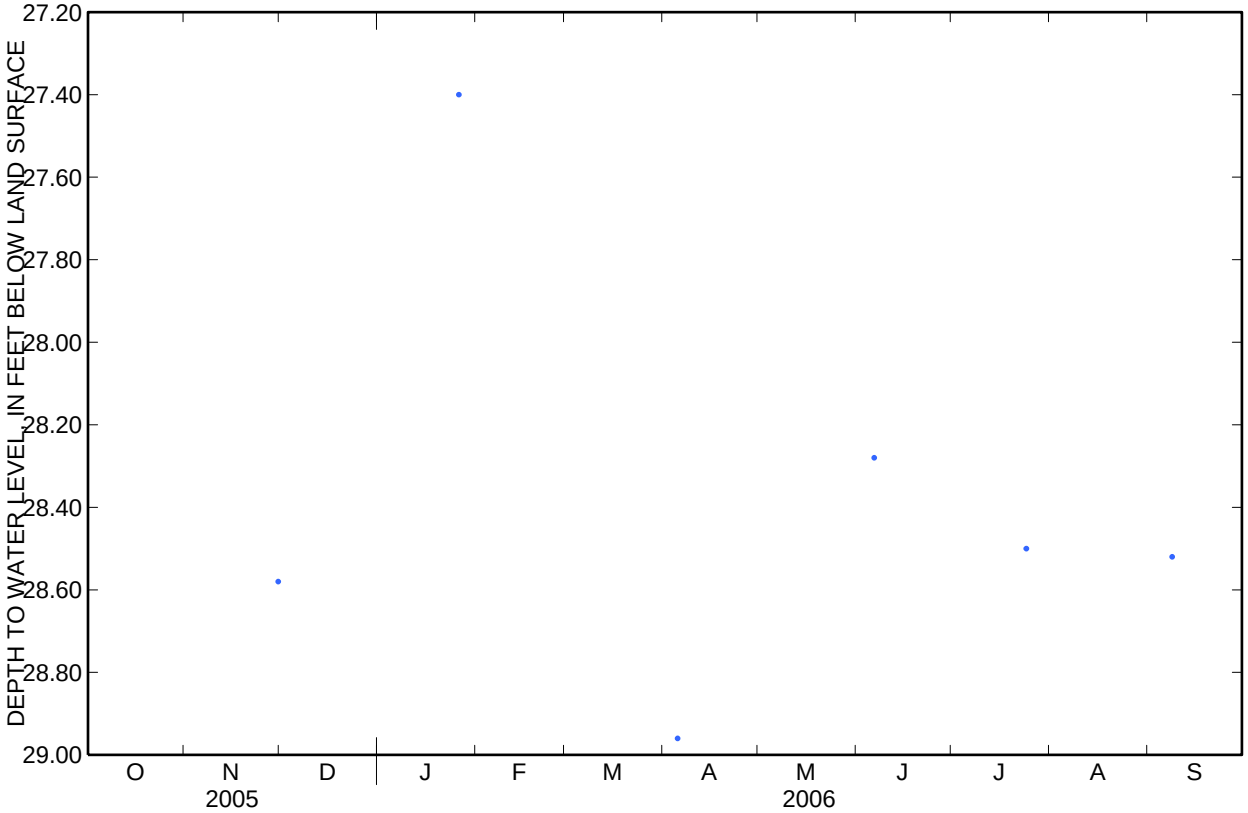
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

[Measurement method: S, steel tape; T, electric tape. Water-level status: --, static.]

Date	Water level	Measurement method	Water level status	Date	Water level	Measurement method	Water level status
Nov 30	28.58	S	--	Jun 6	28.28	S	--
Jan 26	27.40	S	--	Jul 24	28.50	S	--
Apr 5	28.96	S	--	Sep 8	28.52	T	--

Water year 2006 highest: 27.40 Jan 26, 2006; lowest: 28.96 Apr 05, 2006

Period of record highest: 23.47 Jun 23, 2003; lowest: 31.23 Jan 17, 2002

Record available from Oct 03, 2000, to Sep 08, 2006; 64 entries

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